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TECH CENTER 1600/2900

1600

## RAW SEQUENCE LISTING

DATE: 01/28/2003

PATENT APPLICATION: US/09/426,011D

TIME: 08:51:12

Input Set : A:\EP.txt

Output Set: N:\CRF4\01282003\I426011D.raw

## SEQUENCE LISTING

## 1 (1) GENERAL INFORMATION:

2 (i) APPLICANT: Simons, Michael

3 Gao, Youhe

4 (ii) TITLE OF INVENTION: Method for PR-39 peptide regulated  
5 stimulation of angiogenesis

6 (iii) NUMBER OF SEQUENCES: 14

7 (iv) CORRESPONDENCE ADDRESS:

8 (A) ADDRESSEE: David Prashker, Esq.

9 (B) STREET: P.O. Box 5387

10 (C) CITY: Magnolia

11 (D) STATE: Massachusetts

12 (E) COUNTRY: USA

13 (F) ZIP: 01930

14 (v) COMPUTER READABLE FORM:

15 (A) MEDIUM TYPE: Diskette, 3.50 inch, 1.40 Mb storage

16 (B) COMPUTER: Dell Dimension PC

17 (C) OPERATING SYSTEM: MS DOS

18 (D) SOFTWARE: Microsoft Word Version 97

19 (vi) CURRENT APPLICATION DATA:

C--&gt; 20 (A) APPLICATION NUMBER: US/09/426,011D

C--&gt; 21 (B) FILING DATE: 25-Oct-1999

22 (C) CLASSIFICATION: Unknown

23 (viii) ATTORNEY/AGENT INFORMATION:

24 (A) NAME: David Prashker, Esq.

25 (B) REGISTRATION NUMBER: 29,693

26 (C) REFERENCE/DOCKET NUMBER: BIS-043/CIP

27 (ix) TELECOMMUNICATION INFORMATION:

28 (A) TELEPHONE: (978) 525-3794

29 (2) INFORMATION FOR SEQ ID NO: 1:

30 (i) SEQUENCE CHARACTERISTICS:

31 (A) LENGTH: 39 amino acids

32 (B) TYPE: amino acid

33 (C) STRANDEDNESS: single

34 (D) TOPOLOGY: linear

35 (ii) MOLECULE TYPE: peptide

36 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

38 Arg Arg Arg Pro Arg Pro Pro Tyr Leu Pro Arg Pro Arg Pro Pro Pro

39 1 5 10 15

40 Phe Phe Pro Pro Arg Leu Pro Pro Arg Ile Pro Pro Gly Phe Pro Pro

41 20 25 30

42 Arg Phe Pro Pro Arg Phe Pro

43 35

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45 (2) INFORMATION FOR SEQ ID NO: 2:
46   (i) SEQUENCE CHARACTERISTICS:
47       (A) LENGTH: 39 amino acids
48       (B) TYPE: amino acid
49       (C) STRANDEDNESS: single
50       (D) TOPOLOGY: linear
51   (ii) MOLECULE TYPE: peptide
52   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
54 Arg Arg Arg Pro Arg Pro Pro Tyr Leu Pro Arg Pro Arg Pro Pro Pro
55 1           5           10           15
56 Phe Phe Pro Pro Arg Leu Pro Pro Arg Ile Pro Pro Gly Phe Pro Pro
57           20           25           30
58 Arg Phe Pro Pro Arg Phe Pro
59           35
61 (2) INFORMATION FOR SEQ ID NO: 3:
62   (i) SEQUENCE CHARACTERISTICS:
63       (A) LENGTH: 15 amino acids
64       (B) TYPE: amino acid
65       (C) STRANDEDNESS: single
66       (D) TOPOLOGY: linear
67   (ii) MOLECULE TYPE: peptide
68   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
70 Arg Arg Arg Pro Arg Pro Pro Tyr Leu Pro Arg Pro Arg Pro Pro
71 1           5           10           15
73 (2) INFORMATION FOR SEQ ID NO: 4:
74   (i) SEQUENCE CHARACTERISTICS:
75       (A) LENGTH: 11 amino acids
76       (B) TYPE: amino acid
77       (C) STRANDEDNESS: single
78       (D) TOPOLOGY: linear
79   (ii) MOLECULE TYPE: peptide
80   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
82 Arg Arg Arg Pro Arg Pro Pro Tyr Leu Pro Arg
83 1           5           10
85 (2) INFORMATION FOR SEQ ID NO: 5:
86   (i) SEQUENCE CHARACTERISTICS:
87       (A) LENGTH: 8 amino acids
88       (B) TYPE: amino acid
89       (C) STRANDEDNESS: single
90       (D) TOPOLOGY: linear
91   (ii) MOLECULE TYPE: peptide
92   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
94 Arg Arg Arg Pro Arg Pro Pro Tyr
95 1           5
97 (2) INFORMATION FOR SEQ ID NO: 6:
98   (i) SEQUENCE CHARACTERISTICS:
99       (A) LENGTH: 39 amino acids
100      (B) TYPE: amino acid
101      (C) STRANDEDNESS: single

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102      (D) TOPOLOGY: linear
103      (ii) MOLECULE TYPE: peptide
104      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
106 Arg Arg Arg Pro Arg Pro Pro Tyr Leu Pro Arg Pro Arg Pro Pro Pro
107 1      5      10      15
108 Phe Phe Pro Pro Arg Leu Pro Pro Arg Ile Pro Pro Gly Phe Pro Pro
109      20      25      30
110 Arg Phe Pro Pro Arg Phe Pro
111      35
113 (2) INFORMATION FOR SEQ ID NO: 7:
114      (i) SEQUENCE CHARACTERISTICS:
115          (A) LENGTH: 11 amino acids
116          (B) TYPE: amino acid
117          (C) STRANDEDNESS: single
118          (D) TOPOLOGY: linear
119      (ii) MOLECULE TYPE: peptide
120      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
122 Arg Arg Arg Pro Arg Pro Pro Tyr Leu Pro Arg
123 1      5      10
125 (2) INFORMATION FOR SEQ ID NO: 8:
126      (i) SEQUENCE CHARACTERISTICS:
127          (A) LENGTH: 255 amino acids
128          (B) TYPE: amino acid
129          (C) STRANDEDNESS: single
130          (D) TOPOLOGY: linear
131      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
133 Met Ser Ser Ile Gly Thr Gly Tyr Asp Leu Ser Ala Ser Thr Phe Ser
134 1      5      10      15
135 Pro Asp Gly Arg Val Phe Gln Val Glu Tyr Ala Met Lys Ala Val Glu
136      20      25      30
137 Asn Ser Ser Thr Ala Ile Gly Ile Arg Cys Lys Asp Gly Val Val Phe
138      35      40      45
139 Gly Val Glu Lys Leu Val Leu Ser Lys Leu Tyr Glu Glu Gly Ser Asn
140      50      55      60
141 Lys Arg Leu Phe Asn Val Asp Arg His Val Gly Met Ala Val Ala Gly
142 65      70      75      80
143 Leu Leu Ala Asp Ala Arg Ser Leu Ala Asp Ile Ala Arg Glu Glu Ala
144      85      90      95
145 Ser Asn Phe Arg Ser Asn Phe Gly Tyr Asn Ile Pro Leu Lys His Leu
146      100      105      110
147 Ala Asp Arg Val Ala Met Tyr Val His Ala Tyr Thr Leu Tyr Ser Ala
148      115      120      125
149 Val Arg Pro Phe Gly Cys Ser Phe Met Leu Gly Ser Tyr Ser Ala Asn
150      130      135      140
151 Asp Gly Ala Gln Leu Tyr Met Ile Asp Met Ser Gly Val Ser Tyr Gly
152 145      150      155      160
153 Tyr Trp Gly Cys Ala Ile Gly Lys Ala Arg Gln Ala Ala Lys Thr Glu
154      165      170      175
155 Ile Glu Lys Leu Gln Met Lys Glu Met Thr Cys Arg Asp Val Val Lys

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156          180          185          190
157 Glu Val Ala Lys Ile Ile Tyr Ile Val His Asp Glu Val Lys Asp Lys
158          195          200          205
159 Ala Phe Glu Leu Glu Leu Ser Trp Val Gly Glu Leu Thr Lys Gly Arg
160      210          215          220
161 His Glu Ile Val Pro Lys Asp Ile Arg Glu Glu Ala Glu Lys Tyr Ala
162 225          230          235          240
163 Lys Glu Ser Leu Lys Glu Glu Asp Glu Ser Asp Asp Asp Asn Met
164          245          250          255
166 (2) INFORMATION FOR SEQ ID NO: 9:
167     (i) SEQUENCE CHARACTERISTICS:
168         (A) LENGTH: 4 amino acids
169         (B) TYPE: amino acid
170         (C) STRANDEDNESS: single
171         (D) TOPOLOGY: linear
172     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
174 Ala Glu Arg Asp
175 1
177 (2) INFORMATION FOR SEQ ID NO: 10:
178     (i) SEQUENCE CHARACTERISTICS:
179         (A) LENGTH: 1 amino acid
180         (B) TYPE: amino acid
181         (C) STRANDEDNESS: single
182         (D) TOPOLOGY: linear
183     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
185 Ala
186 1
188 (2) INFORMATION FOR SEQ ID NO: 11:
189     (i) SEQUENCE CHARACTERISTICS:
190         (A) LENGTH: 24 amino acids
191         (B) TYPE: amino acid
192         (C) STRANDEDNESS: single
193         (D) TOPOLOGY: linear
194     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
196 Lys Lys His Glu Glu Glu Glu Ala Lys Ala Glu Arg Glu Lys Lys Glu
197 1          5          10          15
198 Lys Glu Gln Lys Lys Glu Lys Asp Lys
199          20
201 (2) INFORMATION FOR SEQ ID NO: 12:
202     (i) SEQUENCE CHARACTERISTICS:
203         (A) LENGTH: 16 amino acids
204         (B) TYPE: amino acid
205         (C) STRANDEDNESS: single
206         (D) TOPOLOGY: linear
207     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
209 Glu Lys Glu Lys Glu Glu Asn Glu Lys Lys Lys Gln Lys Lys Ala Ser
210 1          5          10          15
212 (2) INFORMATION FOR SEQ ID NO: 13:
213     (i) SEQUENCE CHARACTERISTICS:

```

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214      (A) LENGTH: 27 amino acids
215      (B) TYPE: amino acid
216      (C) STRANDEDNESS: single
217      (D) TOPOLOGY: linear
218      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
220 Glu Glu Arg Pro Gln Arg Lys Ala Gln Pro Ala Gln Pro Ala Asp Glu
221 1      5      10      15
222 Pro Ala Glu Lys Ala Asp Glu Pro Met Glu His
223      20      25
225 (2) INFORMATION FOR SEQ ID NO: 14:
226      (i) SEQUENCE CHARACTERISTICS:
227      (A) LENGTH: 16 amino acids
228      (B) TYPE: amino acid
229      (C) STRANDEDNESS: single
230      (D) TOPOLOGY: linear
231      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
233 Ala Lys Glu Ser Leu Lys Glu Glu Asp Glu Ser Asp Asp Asp Asn Met
234 1      5      10      15

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**VERIFICATION SUMMARY**

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L:20 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]  
L:21 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]